

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/014,595 | 12/14/2001 | Kwang Kyun Chung | CHUN3029/REF | 2034 |

7590 07/01/2004

Richard E. Fichter
BACON & THOMAS, PLLC
Fourth Floor
625 Slaters Lane
Alexandria, VA 22314-1176

EXAMINER

QURESHI, SHABANA

| | |
|----------|--------------|
| ART UNIT | PAPER NUMBER |
|----------|--------------|

2155

DATE MAILED: 07/01/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/014,595

Applicant(s)

CHUNG, KWANG KYUN

Examiner

Shabana Qureshi

Art Unit

2155

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 December 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 14 December 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-14 are rejected under 35 U.S.C. 102(e) as being anticipated by van Rijn (US Patent No. 6,574,604).

As per claim 1, van Rijn teaches a method sending audio-visual messages through computer communication networks, comprising the steps of:

- inputting and storing visual information such as the name and address of the sender and the recipient, etc. to/at computer or the like) as an input system (column 4, lines 23-24);
- transmitting signals corresponding to the visual information and audio information such as the voice of the user, etc. (hereafter referred to as composite message information) through computer communication network and storing them at a computer as an output system (column 4, lines 15-26); and
- storing audio information signals among the composite message information signals from the output system and printing the visual information onto a message card respectively (column 6, lines 50-58).

Art Unit: 2155

As per claim 2, van Rijn teaches a method as claimed in claim wherein one or more websites or the like are established on the computer communication system and a server computer the website accessible by the input system and output system through the computer communication network (column 7, lines 10-18).

As per claim 3, van Rijn teaches a method as claimed in claim wherein the visual and audio information signals are stored together at the computer as the input device and transmitted to the output device through the computer communication network (column 6, lines 20-23).

As per claim 4, van Rijn teaches the method as claimed in claim or wherein only the visual information or all of visual information and part of the audio information are inputted to the computer as the input device, while or part of the audio information inputted through telephone network accessible to the computer communication network (column 8, lines 5-15).

As per claim 5, van Rijn teaches the method as claimed claim or wherein the visual information includes diagrams, holographs, pictures, inputted and stored by using a device such as digital Camera scanner, or the like (column 5, lines 62-67).

As per claim 6, van Rijn teaches the method as claimed in claim 1 or wherein the the computer communication network is the Internet (column 5, line 8).

As per claim 7, van Rijn teaches a system for sending and receiving audio-visual messages through a computer communication network, comprising:

- at least one of the more computers as an input device which visual and audio information may messages be inputted and stored (column 6, lines 20-25);

Art Unit: 2155

- a computer communication network to which the input devices are connected for transmitting signals of the messages (column 6, lines 20-25);
- an output device as a computer connected to the computer communication network for receiving the signal (column 6, lines 20-25); and
- one or more message cards as receiving unit for printing the visual information of the messages and storing the audio information signals from the above therein (column 6, lines 20-25).

As per claim 8, van Rijn teaches a system as claimed in claim 7 wherein websites having a server computer communication network wherein one or more set up on the computer communication networks (column 8, lines 10-15).

As per claim 9, van Rijn teaches a claim wherein one or more telephone networks is accessible by one more telephone networks (column 5, 6-9).

As per claim 10, va Rijn teaches a system as claimed in claim 8, wherein the server computer is accessible by one or more telephone networks (column 5, lines 6-9)

As per claim 11, van Rijn teaches the system as claimed in claim 7, wherein the input device 100 is a personal computer comprising:

- a microphone for inputting audio information; an A/D converter 102 for converting the audio information received through the microphone 101 into digital signals (column 6, lines 28-38);
- an encoder 103 for encoding the digital audio System as claimed information signals converted by the A/D converter (column 4, line 18);

Art Unit: 2155

- a keyboard 104 for inputting literal information such as the names and addresses of the user and the other party (a. sender or recipient), a letter, etc. (column 4, lines 30-35);
- packaging/compressing part combining and compressing encoded digital audio and literal information signals (column 5, lines 20-28);
- a decoder 106 for verifying the encoded audio information signals (column 5, lines 50-55);
- a D/A converter (column 4, line 18);
- a speaker (column 4, line 47); and
- controller for controlling operation parts (column 1, line 24).

As per claim 12, van Rijn teaches a system as claimed claim or 9, wherein the input device 100 may be a PC, mobile phone, digital TV or PDA (column 2, lines 30-33).

As per claim 13, van Rijn teaches a system as claimed in claim wherein the output device 300 is a personal computer comprising:

- hard disk as a storage for the composite message signal data (column 6, lines 20-25);
- de-packaging/decompressing part decompressing the compressed composite message signal data and separating the packaged data (column 5, lines 50-55);
- a printer 303 for printing out the literal information such as names and addresses, letters, etc. decoded from the de-packaging/decompressing part (column 5, lines 50-67);

Art Unit: 2155

- an interface for outputting the encoded audio information from the depackaging/decompressing part (column 5, lines 50-55); and
- a controller 305 controlling the operation of the parts (column 1, line 24).

As per claim 14, van Rijn teaches the system as claimed in claim 7, 8 or 9, wherein the message cards 400 are activated by the output device 300 under the control of a control part 401 therein thereby the visual information from the output device 300 being printed printing part 402 and the audio information being stored at a memory 403 by means of the interface 304 (column 5, lines 38-61).

Art Unit: 2155

Conclusion


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shabana Qureshi whose telephone number is (703) 308-6118. The examiner can normally be reached on Monday - Friday, 8:30am to 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain T. Alam can be reached on (703) 308-6662. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Shabana Qureshi
Examiner
Art Unit 2155

28 June 27, 2004


ZARNI MAUNG
PRIMARY EXAMINER